

Jyota Snyder

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Technical skills

Cloud infrastructure

AWS services (EC2, ECS, S3, RDS, CloudWatch, VPCs/networking, Athena, API Gateway, Glue, etc), containerization with Docker, infrastructure as code with Terraform

RDBMS Databases

Postgres, MySQL, Microsoft SQL Server

NoSQL Data Management Solutions

Memcached, MongoDB, Elasticsearch

Other

Programming languages: SQL, Javascript, Python, some C#, Java, Groovy, and Scala

Testing frameworks: jest for Javascript, pytest for Python

Documentation: Postman for APIs, markdown (in git repositories), Sphinx (Python), Confluence

Version control: git (including hosted solutions like Gitlab and Github), TFS

Agile software systems: Asana, JIRA, Trello

Experience

Quarterlab (via Meryll Solutions, LLC) - 2021 to present - *Remote from Omaha, NE*

Lead software developer

- Successful remote independent contractor with continued success delivering software unsupervised, communicating asynchronously, and taking initiative in maintaining lines of communication with business stakeholders and contributors/managers from different agencies
- Implemented data pipelines using python with Prefect and dbt, related to performing accurate calculations and related metadata for revenue and payments system
- Designed and supported infrastructure for multi-tier web applications, including configuring and receiving uptime alerts via health checks and alarms

The Pokémon Company International - 2019 to 2021 - *Bellevue, WA*

Software engineer II

- Implemented & deployed backend API features and data fixes for PokémonTV videos displayed to Pokémon fans around the world, including working with QA to implement a computer vision technique to check whether appropriate videos were uploaded by content managers per a specific contract requirement
- Developed & deployed front-end and back-end features supporting www.pokemon.com, including careful consideration of changes, deployments, and cloud infrastructure to ensure minimal downtime and quick response times for millions of monthly website users.
- Worked on proof-of-concept for migrating legacy content management system to new system backed by JVM code (Java and Groovy) and Elasticsearch for indexing and searching content

RootMetrics (now owned by Ookla) - 2017 to 2019 - *Bellevue, WA*

Sr. software engineer

- Worked remote with multi-disciplinary teams, including with non-technical stakeholders, to solve complex problems related to delivering data science products (presented as charts, graphs, and reports) to customers via websites
- Wrote testable, maintainable, and well-documented code for API-driven services used in multi-tiered, scalable web platforms
- Led development for website used as primary source of delivering information to customers (Django for user-facing app, Pyramid with Cornice for backend APIs, AngularJS and React for frontend Javascript code)

RootMetrics (now owned by Ookla) - 2015 to 2017 - *Bellevue, WA*

Software engineer

- Developed and architected PostgreSQL data warehouse objects and procedures optimized for data reporting purposes
- Wrote command-line based ETL application supporting website, including unit test coverage using pytest with tox
- Worked closely between engineering and data science departments to migrate key analytics reports into automated and reliable production-grade implementations for use in website
- Worked on proof-of-concept for data science team interactivity with software engineering data lake project involving Zeppelin notebooks with SparkR, pySpark, and Scala, querying data and fitting machine learning models from an Apache Phoenix data source, including presenting to data science team and collecting feedback for their use cases

Education

Central Connecticut State University - 2011 to 2014

Master of Science, Department of Mathematical Sciences - Data Mining (program now renamed to 'Data Science')